

DII.3010.HP1020.KernelP2.VDD-1

**Defense Information Infrastructure (DII)
Common Operating Environment (COE)**

Version 3.0.1.0

**Version Description Document
for the Kernel Patch 2**

(HP-UX 10.20)

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NOTE: Courier font is used to indicate entries to be typed at the keyboard, operating system commands, file and directory names, and screen text. For example:

The file is located in the `DII_DEV` directory.

1. System Overview

The Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.1.0 Kernel Patch 2 (HP-UX 10.20) encompasses the following changes:

- (1) The `/h` directory now has permissions set to `777`.
- (2) A continuation prompt does not appear when an installation fails.
- (3) Icons are now supported on X terminals.
- (4) The Installer now supports `Requires` version numbers of fewer than four digits.
- (5) The COEInstaller now supports multiple account groups.

2. Referenced Documents

The following documents are referenced in this Version Description Document (VDD):

- C DII.3010.HP1020.KernelP2.IG-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.1.0 Kernel Patch 2 Installation Guide (HP-UX 10.20)*, July 30, 1997
- C DII.3010.HP1020.Kernel.VDD-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.1.0 Version Description Document for the Kernel (HP-UX 10.20)*, April 14, 1997.

3. Version Description

3.1 Inventory of Materials Released

- C Magnetic media: Two 4mm DATs consisting of a relative tar of the DII COE Version 3.0.1.0P2 Kernel Patch 2 (HP-UX 10.20)
- C Soft-copy Documentation: One 3.5" floppy diskette (WordPerfect 6.0 for Windows format) containing the *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.1.0 Version Description Document for the Kernel Patch 2 (HP-UX 10.20)*, Document Control No. *DII.3010.HP1020.KernelP2.VDD-1*, July 30, 1997
- C Hard-copy Documentation: Two hard copies of the aforementioned VDD.

3.2 Software Changes

Reference the following table for a list of DII COE Version 3.0.1.0 Kernel Patch 2 software changes (HP-UX 10.20). The software changes are listed in order of INRI Number.

DII COE Version 3.0.1.0 Kernel Patch 2 (HP-UX 10.20) Software Changes	
Total Software Changes: [5]	
INRI Number:	RTO00001646
Agency Number:	D70368
Short Description:	Multiple account groups cannot be specified.
Long Description:	Page 5-94 of the I&RTS states that the user may have "one or more \$SEGMENTS lines" in the SegName file, which would allow the segment to belong to more than one account group. However, only the first \$SEGMENT is recognized when a segment is loaded.
INRI Number:	RTO00001651
Agency Number:	D70273
Short Description:	When trying to remote display (log on as a user from a PC), the display flashes back to the XDM login display.
Long Description:	When trying to remote display (log on as a user from a PC), the display flashes back to the XDM login display. Investigation revealed that the script ".login COE" in /h/COE/scripts does not detect the correct display host. If the code in the above script is commented out, the remote login from a PC via a PC-XServer works correctly. (Comment out code that sets \$DISPLAY.)

DII COE Version 3.0.1.0 Kernel Patch 2 (HP-UX 10.20) Software Changes**INRI Number:** RTO00001833**Agency Number:** D70377**Short Description:**

COEInstError does not work properly.

Long Description:

COEInstError does not work as stated in the new I&RTS; the new I&RTS states that COEInstError stops all processing on a segment. The proper use of the tool is that the developer should do any required clean-up after an error is discovered. Then once the clean-up is done, COEInstError should be passed to the installer for it to end its processing and cleanup. As it currently stands, COEInstError does not stop the processing and exiting with a (-1) does not stop the process either.

Rollup of D70259 (Duplicate)

Rollup of D70342

The COEInstError function does not terminate the PostInstall when it is called, nor does it return an exit status of -1. All it does do is display an error window with the message it was given. The PostInstall continues to run to completion.

INRI Number: RTO00001834**Agency Number:** D70421**Short Description:**

The user receives a CoeInstaller segmentation fault when specifying a partial version in the [Requires] descriptor.

Long Description:

A sample segment with a version number of 1.0.0.3 is loaded in the system. Its name is "Segment One" and its prefix is "One". A second segment states its dependency on the first in the (Requires) section of the seginfo file as shown:

Segment One: One:/h/One:1.0

Attempting to load Segment Two results in segmentation fault.

Segment Two will not load from network; the user receives the warning "The required segment not found in disk."

According to the I&RTS Rev 3.0, Section 3.1.1, Segment Version Numbers, Segment A may indicate that it requires Segment B, Version 2.3, indicating that any maintenance release of Version 2.3 (e.g., 2.3.2.0, 2.3.1.2) is acceptable.

DII COE Version 3.0.1.0 Kernel Patch 2 (HP-UX 10.20) Software Changes	
INRI Number:	RTO00001836
Agency Number:	D70348
Short Description:	Directory /h needs 777 permissions.
Long Description:	The directory /h currently has 775 permissions and needs 777 permissions. Owner is root and group is COE. A segment in /h needs to be able to write to its own directory without being root or COE group. Work Around: As root, type in the command <code>chmod 777 /h</code> .

4. Installation Instructions

Refer to the *DII COE Version 3.0.1.0 Kernel Patch 2 Installation Guide (HP-UX 10.20)* for instructions on installing the developer's toolkit.

5. Known Problems and Errors

None.

6. Release Note

Refer to the *DII COE Version 3.0.1.0 Version Description Document for the Kernel (HP-UX 10.20)* for more information about the DII COE Version 3.0.1.0 kernel.